

FIG. 1

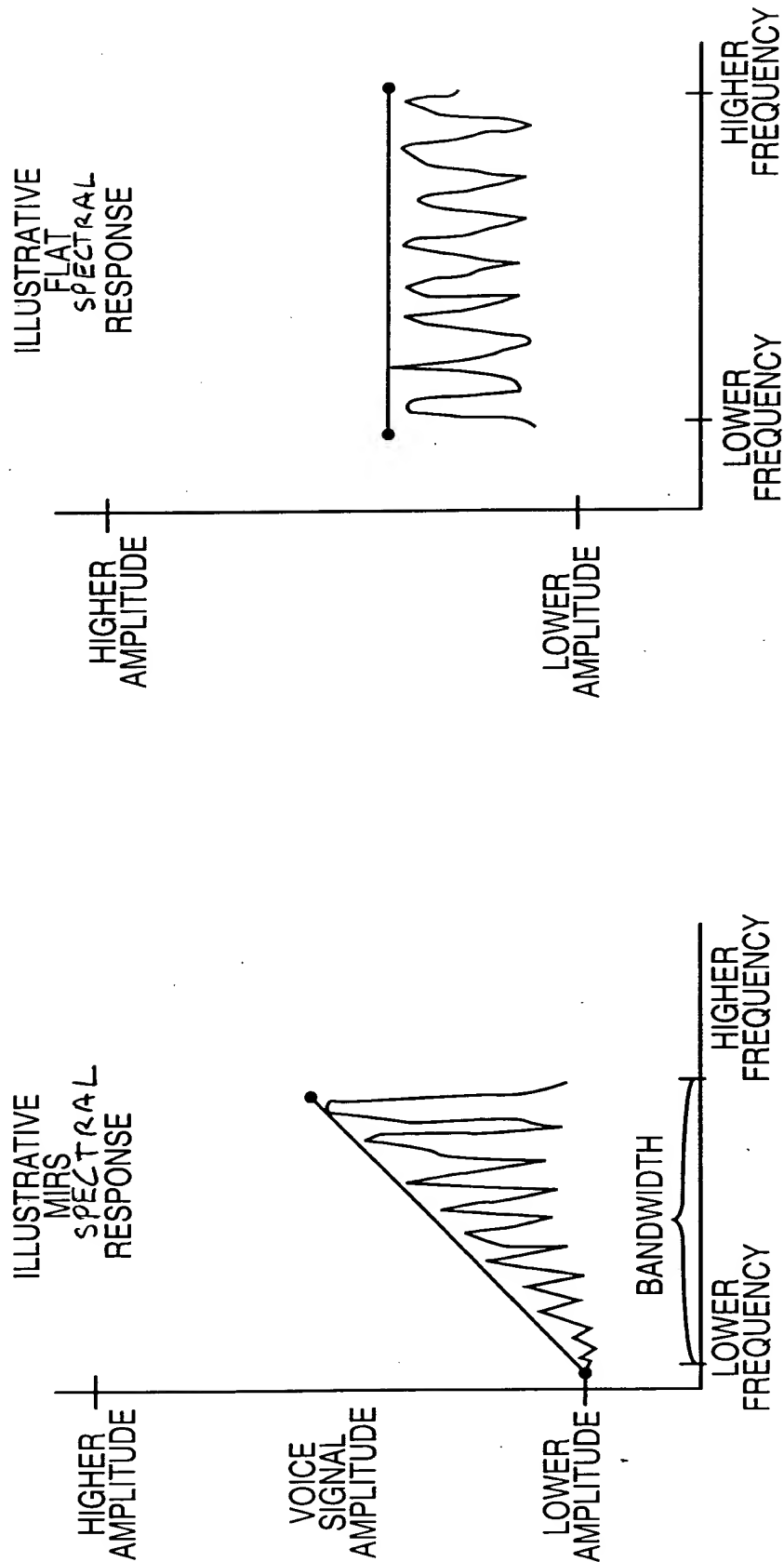


FIG. 2A

FIG. 2B

911

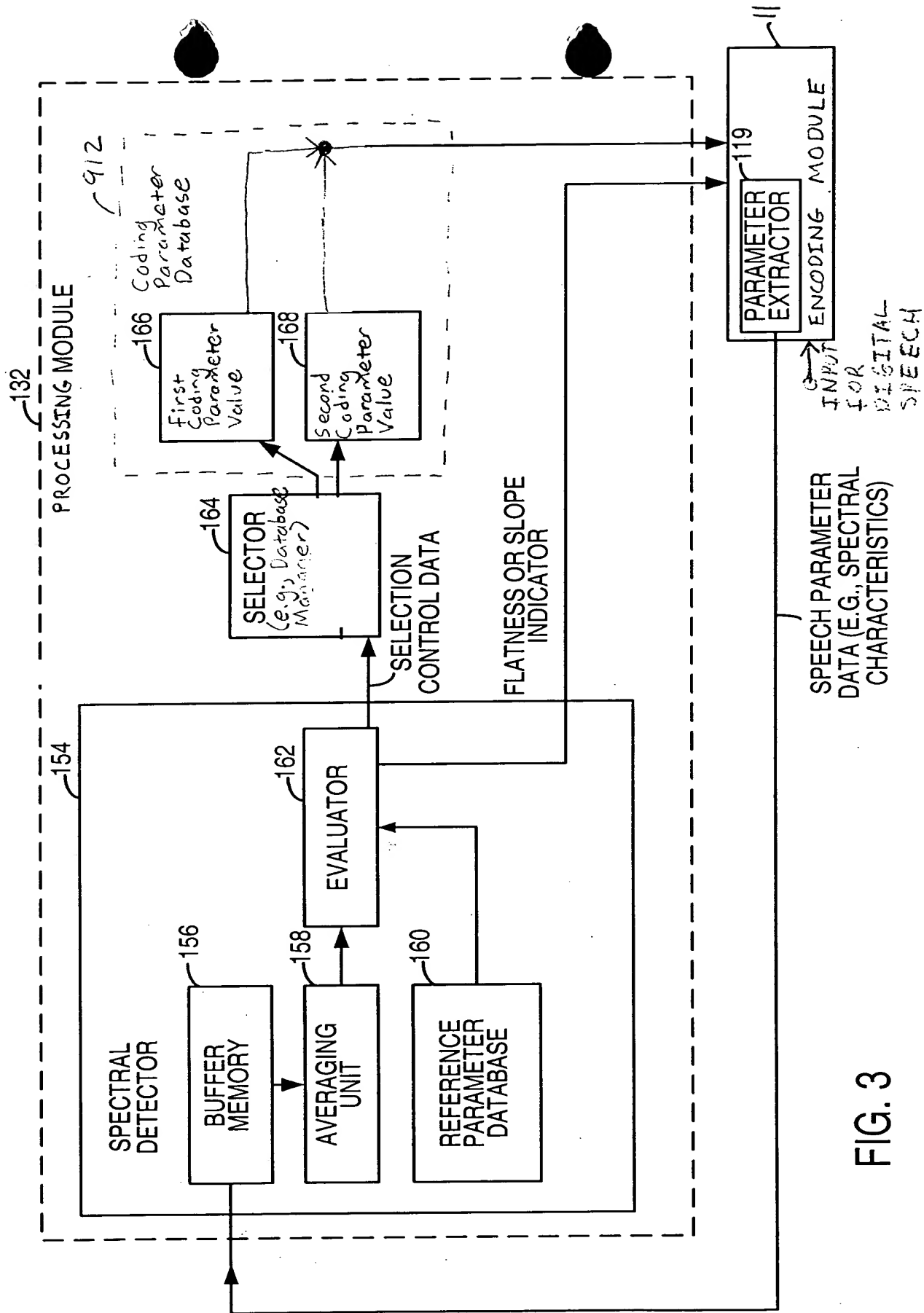


FIG. 3

S10
ASSUME THE SPECTRAL RESPONSE OF A SPEECH SIGNAL IS SLOPED IN ACCORDANCE WITH A DEFINED CHARACTERISTIC SLOPE (E.G., AN MIRS SIGNAL RESPONSE).

S12
ACCUMULATE SAMPLES (E.G., FRAMES) OF THE SPEECH SIGNAL OVER AT LEAST A MINIMUM SAMPLING DURATION (E.G., 2-4 SECONDS)

S14
AVERAGE THE ACCUMULATED SAMPLES ASSOCIATED WITH THE MINIMUM SAMPLING DURATION TO OBTAIN AN AVERAGED REPRESENTATIVE SAMPLE.

S16
COMPARE THE AVERAGED REPRESENTATIVE SAMPLE TO REFERENCE DATA IN A REFERENCE DATABASE OF SPECTRAL CHARACTERISTICS, INCLUDING AT LEAST ONE OF THE DEFINED CHARACTERISTIC SLOPE AND A FLAT SPECTRAL RESPONSE.

S18
DOES A SLOPE OF THE REPRESENTATIVE SAMPLE OF THE SPEECH SIGNAL CONFORM TO THE DEFINED CHARACTERISTIC SLOPE AS DETERMINED BY THE COMPARISON?

YES
S20
SELECT AT LEAST ONE FIRST CODING PARAMETER VALUE ASSOCIATED WITH THE DEFINED CHARACTERISTIC SLOPE.

S21
APPLY THE AT LEAST ONE FIRST CODING PARAMETER VALUE TO CODING OF THE SPEECH SIGNAL

S22
IS THE SPECTRAL RESPONSE OF THE REPRESENTATIVE SAMPLE OF THE SPEECH SIGNAL GENERALLY FLAT AS DETERMINED BY THE COMPARISON?

S23
YES
SELECT AT LEAST ONE SECOND CODING PARAMETER VALUE ASSOCIATED WITH THE FLAT SPECTRAL RESPONSE.

S24
APPLY THE AT LEAST ONE SECOND CODING PARAMETER VALUE TO CODING OF THE SPEECH SIGNAL.

S26
END

FIG. 4

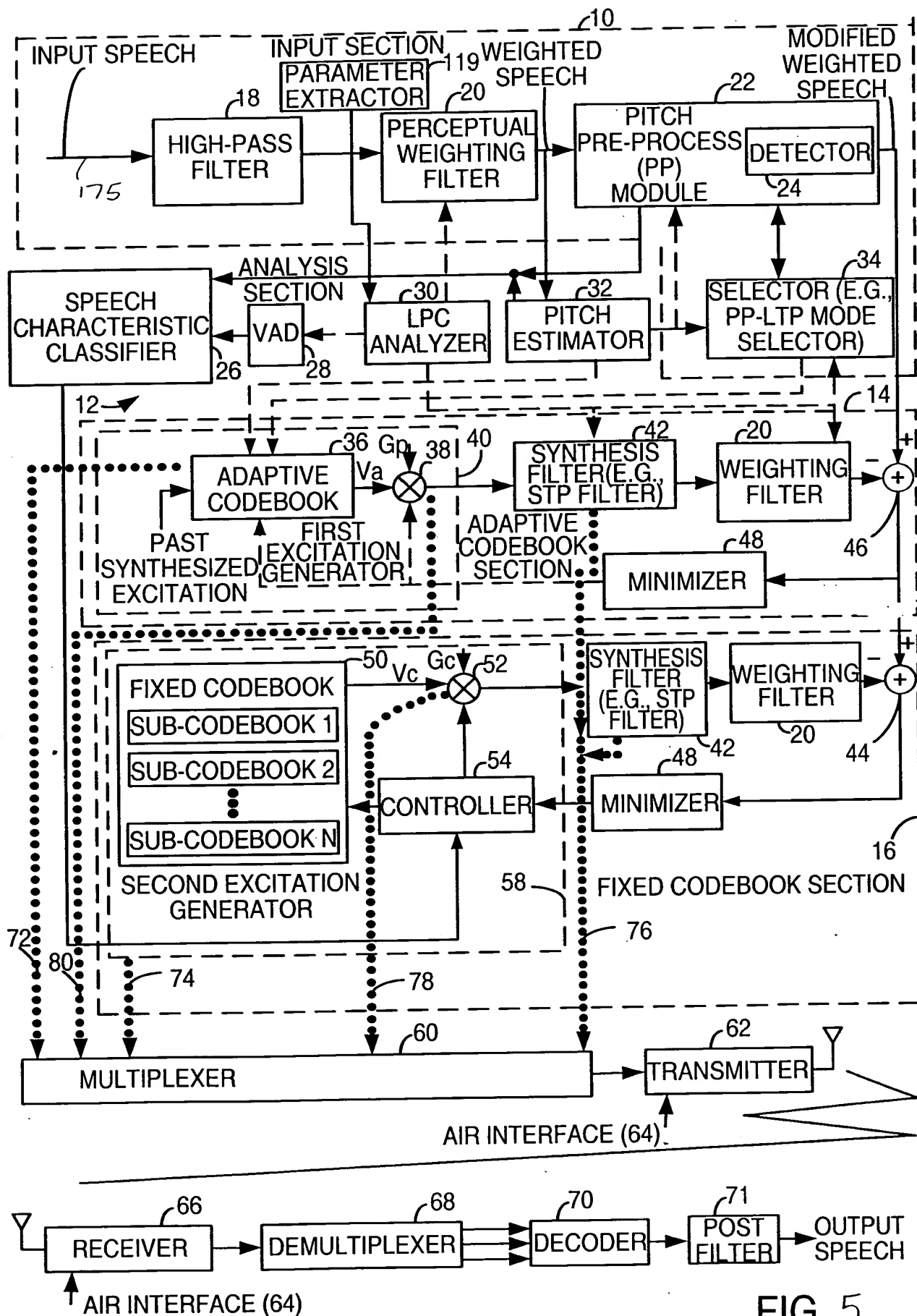


FIG. 5

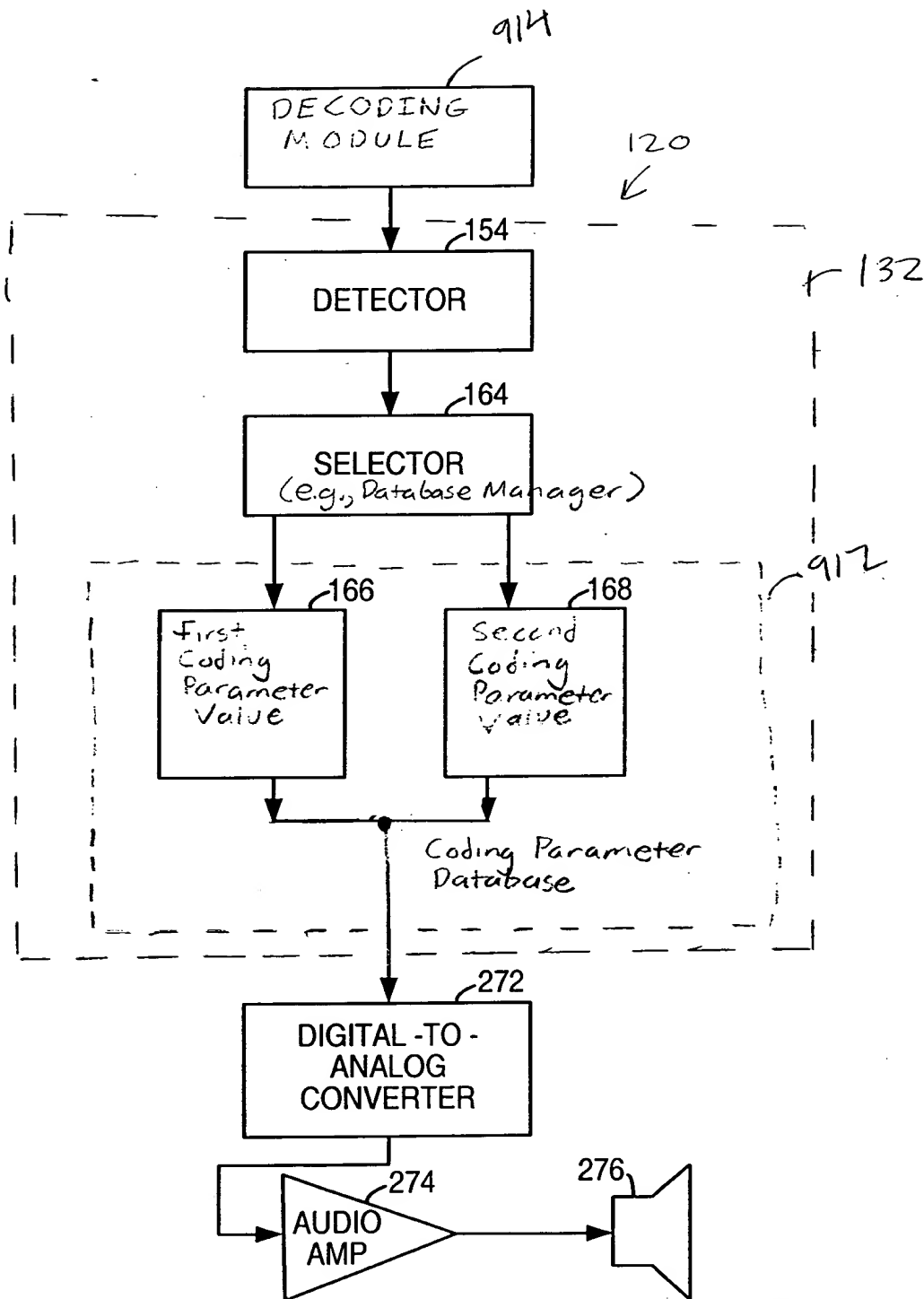


FIG. 6

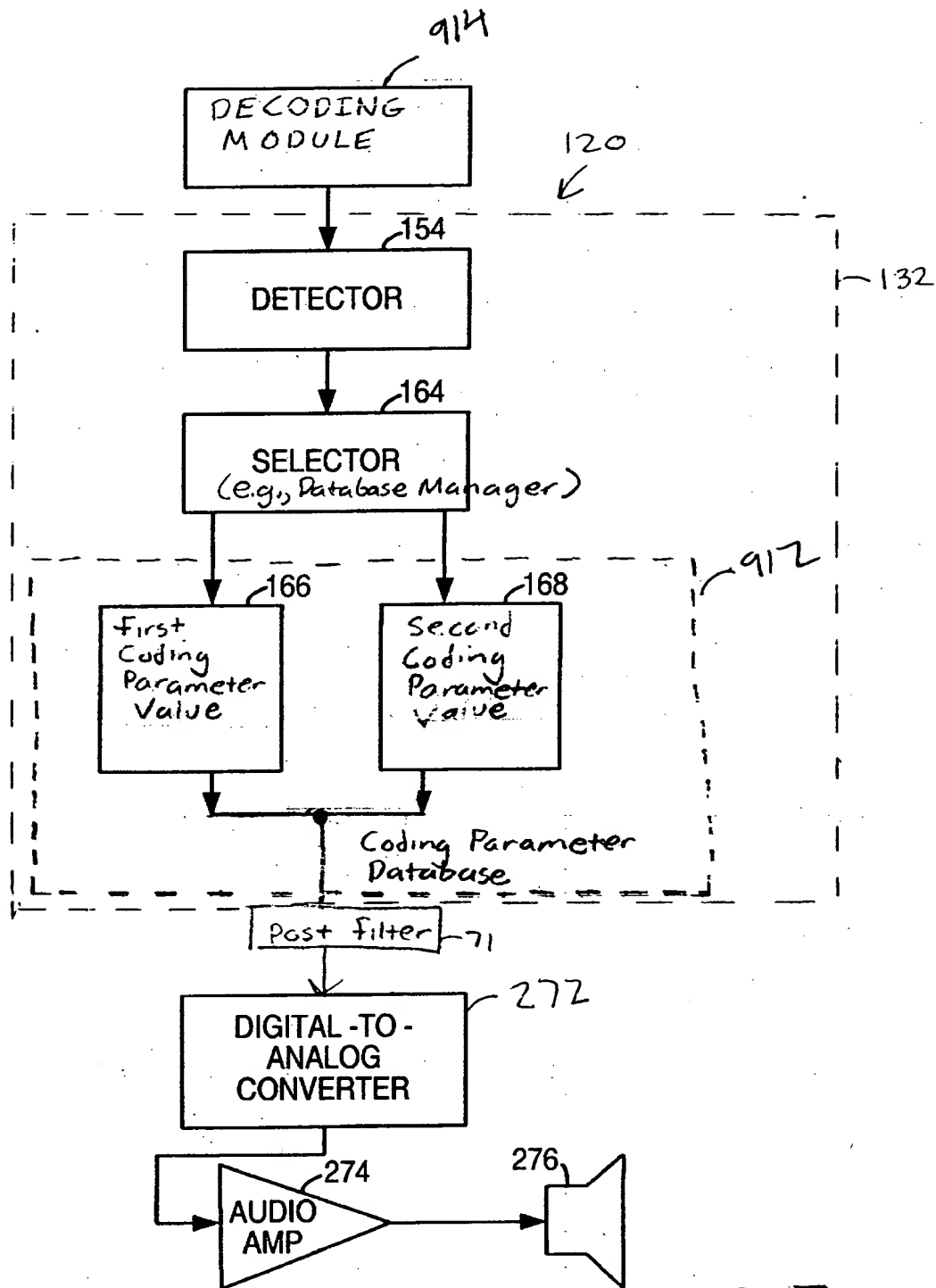


FIG. 7